

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (860) 571-5100

ISSUED 6/23/00
10:57:49
FAX: (860) 571-5465

MATERIAL SAFETY DATA SHEET

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite® Extra Time Epoxy
Item No.: 81504
Part No.: QM-60
Product Type: Epoxy

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
RESIN		
Epoxy resin	25068-38-6	85-90
Nonylphenol	25154-52-3	10-15
HARDENER		
Polyamide resin	68410-23-1	60-65
DIETHYLENETRIAMINE	111-40-0	15-20
PHENOL, 4,4'-ISOPROPYLIDENEDI-	80-05-7	10-15
Epoxy resin	25068-38-6	5-10

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
RESIN			
HARDENER			
DIETHYLENETRIAMINE	1 ppm skin 4.2mg/m3 skin	1 ppm TWA 4mg/m3	None
PHENOL, 4,4'-ISOPROPYLIDENEDI-	None	None	10 mg/m3
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	

RESIN

HARDENER

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. May irritate upper respiratory tract. May cause skin burns and corneal injury resulting in permanent impairment of vision including blindness. May cause sensitization of skin and respiratory tract.

Primary Routes of Entry: Ingestion, skin, inhalation

Signs and Symptoms of Exposure: Eye or skin irritation or injury. Allergic responses such as sensitization or dermatitis.

Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
RESIN				
Epoxy resin	ALG IRR	NO	NO	NO
Nonylphenol	ALG COR IRR KID	NO	NO	NO
HARDENER				
Polyamide resin	No Data	NO	NO	NO
DIETHYLENETRIAMINE	ALG EYE IRR	NO	NO	NO
PHENOL, 4,4'-ISOPROPYLIDENEDI-	ALG BLO IRR KID SPL	NO	NO	NO
Epoxy resin	ALG IRR	NO	NO	NO

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3. HAZARDS IDENTIFICATION

(continued)

Abbreviations

ALL Allergen
COR Corrosive
IRR Irritant
SPL Spleen

BLO Blood
EYE Eyes
KID Kidney

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: RESIN: Not Applicable
HARDENER: Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Wash immediately with soap and water. Do not use solvents for cleaning skin.
Eye Contact: Flush copiously with water and get prompt medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Not available
Hazardous Products formed by Fire or Thermal Decomposition: Before use, amine vapors may be evolved at high temperatures; oxides of carbon; unidentified organic compounds.
Unusual Fire or Explosion Hazards: None
Explosive Limits:
(% by volume in air) Lower Not available
(% by volume in air) Upper Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Avoid skin contact. Scrape up as much as possible. Clean residues with solvent or soap and water.

7. HANDLING AND STORAGE

Safe Storage: Store below 100°F
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid skin contact. Keep away from eyes. Do not breath vapors.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Sufficient to maintain vapor concentration below TLV.
Respiratory: Not available
See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish, viscous liquid.
Odor: Mild
Boiling Point: More than 300°F
pH: Not Applicable
Solubility in Water: Slight
Specific Gravity: Resin 1.16, Hardener 0.98
Volatile Organic Compound (EPA Method 24) 5.5% Resin

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9. PHYSICAL AND CHEMICAL PROPERTIES

(continued)

Vapor Pressure: 10.5% Hardener
Vapor Density: Less than 5mm
Evaporation Rate: Not available
(Ether = 1) Not Available

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, acids, chlorinated hydrocarbons.
Conditions to Avoid: Not available
Hazardous Decomposition Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than four liters);
Corrosive liquids, basic, organic, n.o.s.
(Contains diethylenetriamine)
(More than four liters)

Hazard Class or Division: ORM-D (Not more than four liters);
Class 8, Packing Group III (More than four liters)

Identification Number: None (Not more than four liters);
UN 3267 (More than four liters)

Marine Pollutant: Nonylphenol

IATA

Proper Shipping Name: Corrosive liquids, basic, organic, n.o.s.
(Contains diethylenetriamine)

Class or Division: Class 8, Packing Group III
UN or ID Number: UN 3267

15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 1
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazards: 1
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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81504

16. OTHER INFORMATION

(continued)

Prepared By:
Title:
Company:
(24hr.) Phone:
Revision Date:

Stephen Repetto
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Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
(860) 571-5100
January 27, 1999

Revision: 0023